

6. Banson



#8

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/642,660.

DATE: 01/30/2002  
TIME: 17:22:16

Input Set : N:\Crf3\RULE60\09642660.txt  
Output Set: N:\CRF3\01302002\I642660.raw

## SEQUENCE LISTING

C--&gt; 5 (1) GENERAL INFORMATION:

7 (i) APPLICANT: Schneck, Jonathan  
8 O'Herrin, Sean

C--> 10 (ii) TITLE OF INVENTION: Molecular Complexes Which  
11 Modify Immune Responses

13 (iii) NUMBER OF SEQUENCES: 20

15 (iv) CORRESPONDENCE ADDRESS:  
16 (A) ADDRESSEE: Banner & Witcoff  
17 (B) STREET: 1001 G Street, NW  
18 (C) CITY: Washington  
19 (D) STATE: DC  
20 (E) COUNTRY: USA  
21 (F) ZIP: 20001

23 (v) COMPUTER READABLE FORM:

24 (A) MEDIUM TYPE: Diskette  
25 (B) COMPUTER: IBM Compatible  
26 (C) OPERATING SYSTEM: DOS  
27 (D) SOFTWARE: FastSEQ for Windows Version 2.0

29 (vi) CURRENT APPLICATION DATA:

C--> 30 (A) APPLICATION NUMBER: US/09/642,660  
C--> 31 (B) FILING DATE: 22-Aug-2000

32 (C) CLASSIFICATION:

34 (vii) PRIOR APPLICATION DATA:

35 (A) APPLICATION NUMBER: 09/063,276  
36 (B) FILING DATE: 21-APR-1998  
38 (A) APPLICATION NUMBER: 08/828,712  
39 (B) FILING DATE: 28-MAR-1997  
41 (A) APPLICATION NUMBER: 60/014,367  
42 (B) FILING DATE: 28-MAR-1996

45 (viii) ATTORNEY/AGENT INFORMATION:

46 (A) NAME: Kagan, Sarah A  
47 (B) REGISTRATION NUMBER: 32141  
48 (C) REFERENCE/DOCKET NUMBER: 01107.74154

50 (ix) TELECOMMUNICATION INFORMATION:

51 (A) TELEPHONE: 202-508-9100  
52 (B) TELEFAX: 202-508-9299  
53 (C) TELEX:

56 (2) INFORMATION FOR SEQ ID NO: 1:

58 (i) SEQUENCE CHARACTERISTICS:  
59 (A) LENGTH: 65 base pairs  
60 (B) TYPE: nucleic acid  
61 (C) STRANDEDNESS: single

ENTERED

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62 (D) TOPOLOGY: linear  
 65 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
 67 CTGTCAGTAA CTGCAGGTGT CCACTCTGGT ACCAGCGGTG AGGTTCAGCT TCAGCAGTCT 60  
 68 GGAGC 65  
 70 (2) INFORMATION FOR SEQ ID NO: 2:  
 72 (i) SEQUENCE CHARACTERISTICS:  
 73 (A) LENGTH: 60 base pairs  
 74 (B) TYPE: nucleic acid  
 75 (C) STRANDEDNESS: single  
 76 (D) TOPOLOGY: linear  
 79 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
 81 AGCCTCTCCC ACTCTCCTGG TAAATGAGCA TGCTCTCAGT GTCCTGGAG CCCTCTGGTC 60  
 83 (2) INFORMATION FOR SEQ ID NO: 3:  
 85 (i) SEQUENCE CHARACTERISTICS:  
 86 (A) LENGTH: 74 base pairs  
 87 (B) TYPE: nucleic acid  
 88 (C) STRANDEDNESS: single  
 89 (D) TOPOLOGY: linear  
 92 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
 94 CTGTTGCTCT GTTTCAAGG TACCAGGTGT GGAAGCTTGG GAGGATCTGA TATCCAGATG 60  
 95 ACGCAAATCC ATCC 74  
 97 (2) INFORMATION FOR SEQ ID NO: 4:  
 99 (i) SEQUENCE CHARACTERISTICS:  
 100 (A) LENGTH: 66 base pairs  
 101 (B) TYPE: nucleic acid  
 102 (C) STRANDEDNESS: single  
 103 (D) TOPOLOGY: linear  
 106 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
 108 GTCAAGAGCT TCAACAGGAA TGAGTGTAG GGTACCAAGAC AAAGGTCTG AGACGCCACC 60  
 109 ACCAGC 66  
 111 (2) INFORMATION FOR SEQ ID NO: 5:  
 113 (i) SEQUENCE CHARACTERISTICS:  
 114 (A) LENGTH: 58 base pairs  
 115 (B) TYPE: nucleic acid  
 116 (C) STRANDEDNESS: single  
 117 (D) TOPOLOGY: linear  
 120 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
 122 CAGATATGAA CCTAAACTTT CAAGGAGGAG GTACCTGTCA GTTATGGGAC TCCGAATC 58  
 124 (2) INFORMATION FOR SEQ ID NO: 6:  
 126 (i) SEQUENCE CHARACTERISTICS:  
 127 (A) LENGTH: 50 base pairs  
 128 (B) TYPE: nucleic acid  
 129 (C) STRANDEDNESS: single  
 130 (D) TOPOLOGY: linear  
 133 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:  
 135 CCAAAGAGAC CAGTATCCTG ACTCGAGGAA GCATGTCTAA CACTGCCTTC 50  
 137 (2) INFORMATION FOR SEQ ID NO: 7:  
 139 (i) SEQUENCE CHARACTERISTICS:  
 140 (A) LENGTH: 69 base pairs

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141 (B) TYPE: nucleic acid  
142 (C) STRANDEDNESS: single  
143 (D) TOPOLOGY: linear  
146 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:  
148 CTGCAACCCT CCTCTATGAG ATCGGAAGCT TAGGATCTGG TACCTACTGG GGAAGGCCAC 60  
149 CCTATATGC 69  
151 (2) INFORMATION FOR SEQ ID NO: 8:  
153 (i) SEQUENCE CHARACTERISTICS:  
154 (A) LENGTH: 63 base pairs  
155 (B) TYPE: nucleic acid  
156 (C) STRANDEDNESS: single  
157 (D) TOPOLOGY: linear  
160 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:  
162 GGTAGCGACC GGCCTCAGC TCCAATTGAA GCTTCCATTC TCTTTAGTTT CTGGGAGGAG 60  
163 GGT 63  
165 (2) INFORMATION FOR SEQ ID NO: 9:  
167 (i) SEQUENCE CHARACTERISTICS:  
168 (A) LENGTH: 69 base pairs  
169 (B) TYPE: nucleic acid  
170 (C) STRANDEDNESS: single  
171 (D) TOPOLOGY: linear  
174 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:  
176 GCACAGTCCA CATCTGCACA GAACAAGGGA GGAGGTACCG GGGATCCGGT TATTAGTACA 60  
177 TTTATTAAG 69  
179 (2) INFORMATION FOR SEQ ID NO: 10:  
181 (i) SEQUENCE CHARACTERISTICS:  
182 (A) LENGTH: 6 amino acids  
183 (B) TYPE: amino acid  
184 (C) STRANDEDNESS: single  
185 (D) TOPOLOGY: linear  
188 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:  
190 Gly Gly Gly Thr Ser Gly  
191 1 5  
193 (2) INFORMATION FOR SEQ ID NO: 11:  
195 (i) SEQUENCE CHARACTERISTICS:  
196 (A) LENGTH: 6 amino acids  
197 (B) TYPE: amino acid  
198 (C) STRANDEDNESS: single  
199 (D) TOPOLOGY: linear  
202 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
204 Gly Ser Leu Gly Gly Ser  
205 1 5  
207 (2) INFORMATION FOR SEQ ID NO: 12:  
209 (i) SEQUENCE CHARACTERISTICS:  
210 (A) LENGTH: 8 amino acids  
211 (B) TYPE: amino acid  
212 (C) STRANDEDNESS: single  
213 (D) TOPOLOGY: linear  
W--> 215 (ii) MOLECULE TYPE: None

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Input Set : N:\Crf3\RULE60\09642660.txt  
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217 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:  
219 Leu Ser Pro Phe Pro Asp Leu  
220 1 5  
222 (2) INFORMATION FOR SEQ ID NO: 13:  
224 (i) SEQUENCE CHARACTERISTICS:  
225 (A) LENGTH: 9 amino acids  
226 (B) TYPE: amino acid  
227 (C) STRANDEDNESS: single  
228 (D) TOPOLOGY: linear  
W--> 230 (ii) MOLECULE TYPE: None  
232 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
234 Gln Leu Ser Pro Phe Pro Phe Asp Leu  
235 1 5  
237 (2) INFORMATION FOR SEQ ID NO: 14:  
239 (i) SEQUENCE CHARACTERISTICS:  
240 (A) LENGTH: 9 amino acids  
241 (B) TYPE: amino acid  
242 (C) STRANDEDNESS: single  
243 (D) TOPOLOGY: linear  
W--> 245 (ii) MOLECULE TYPE: None  
247 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:  
249 Leu Ser Pro Phe Pro Phe Asp Leu Leu  
250 1 5  
252 (2) INFORMATION FOR SEQ ID NO: 15:  
254 (i) SEQUENCE CHARACTERISTICS:  
255 (A) LENGTH: 9 amino acids  
256 (B) TYPE: amino acid  
257 (C) STRANDEDNESS: single  
258 (D) TOPOLOGY: linear  
W--> 260 (ii) MOLECULE TYPE: None  
262 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:  
264 Thr Gln Asn His Arg Ala Leu Asp Leu  
265 1 5  
267 (2) INFORMATION FOR SEQ ID NO: 16:  
269 (i) SEQUENCE CHARACTERISTICS:  
270 (A) LENGTH: 9 amino acids  
271 (B) TYPE: amino acid  
272 (C) STRANDEDNESS: single  
273 (D) TOPOLOGY: linear  
W--> 275 (ii) MOLECULE TYPE: None  
277 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:  
279 Tyr Pro His Phe Met Pro Thr Asn Leu  
280 1 5  
282 (2) INFORMATION FOR SEQ ID NO: 17:  
284 (i) SEQUENCE CHARACTERISTICS:  
285 (A) LENGTH: 9 amino acids  
286 (B) TYPE: amino acid  
287 (C) STRANDEDNESS: single  
288 (D) TOPOLOGY: linear

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W--> 290 (ii) MOLECULE TYPE: None  
292 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:  
294 Ser Pro Ser Tyr Val Tyr His Gln Phe  
295 1 5  
297 (2) INFORMATION FOR SEQ ID NO: 18:  
299 (i) SEQUENCE CHARACTERISTICS:  
300 (A) LENGTH: 8 amino acids  
301 (B) TYPE: amino acid  
302 (C) STRANDEDNESS: single  
303 (D) TOPOLOGY: linear  
W--> 305 (ii) MOLECULE TYPE: None  
307 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:  
309 Glu Gln Tyr Lys Phe Tyr Ser Val  
310 1 5  
312 (2) INFORMATION FOR SEQ ID NO: 19:  
314 (i) SEQUENCE CHARACTERISTICS:  
315 (A) LENGTH: 8 amino acids  
316 (B) TYPE: amino acid  
317 (C) STRANDEDNESS: single  
318 (D) TOPOLOGY: linear  
W--> 320 (ii) MOLECULE TYPE: None  
322 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:  
324 Ser Ile Tyr Arg Tyr Tyr Gly Leu  
325 1 5  
327 (2) INFORMATION FOR SEQ ID NO: 20:  
329 (i) SEQUENCE CHARACTERISTICS:  
330 (A) LENGTH: 8 amino acids  
331 (B) TYPE: amino acid  
332 (C) STRANDEDNESS: single  
333 (D) TOPOLOGY: linear  
W--> 335 (ii) MOLECULE TYPE: None  
337 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:  
339 Arg Gly Tyr Val Tyr Gln Gly Leu  
340 1 5

## VERIFICATION SUMMARY

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Input Set: N:\Crf3\RULE60\09642660.txt

Output Set: N:\CRF3\01302002\I642660.raw

L:5 M:220 C: Keyword misspelled or invalid format, [(1) GENERAL INFORMATION:]  
L:10 M:220 C: Keyword misspelled or invalid format, [(ii) TITLE OF INVENTION:]  
L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:215 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=12  
L:230 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=13  
L:245 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=14  
L:260 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=15  
L:275 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=16  
L:290 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=17  
L:305 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=18  
L:320 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=19  
L:335 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=20